

Title (en)

CONDITION-DETECTING DEVICE, METHOD, AND PROGRAM, AND INFORMATION-RECORDING MEDIUM

Title (de)

ZUSTANDSERFASSUNGSVORRICHTUNG, -VERFAHREN UND -PROGRAMM SOWIE DATENAUFZEICHNUNGSMEDIUM

Title (fr)

DISPOSITIF, PROCEDE ET PROGRAMME PERMETTANT DE DETECTER UNE CONDITION ET SUPPORT D'ENREGISTREMENT D'INFORMATIONS

Publication

EP 1598569 B1 20110831 (EN)

Application

EP 04715466 A 20040227

Priority

- JP 2004002398 W 20040227
- JP 2003054293 A 20030228

Abstract (en)

[origin: EP1598569A1] There is provided a condition detection apparatus for detecting a present operating condition of a linear rolling motion guide apparatus, and the condition detection apparatus includes an AE sensor 1 for detecting a waveform elastically generated at least due to rolling of balls included in the linear rolling motion guide apparatus and mutual collision of the balls and generating an electric detection signal corresponding the detected waveform, a waveform shaping unit 2, an A/D converter 3, and a signal processing unit 4 judging a content of the operation condition in response to the generated detected signal Sae. <IMAGE>

IPC 8 full level

F16C 19/52 (2006.01); **F16H 25/20** (2006.01); **F16C 29/00** (2006.01); **F16C 29/06** (2006.01); **F16C 41/00** (2006.01); **F16H 25/22** (2006.01); **F16H 25/24** (2006.01); **G01H 1/00** (2006.01); **G01M 13/04** (2006.01)

CPC (source: EP KR US)

F16C 19/52 (2013.01 - KR); **F16C 29/00** (2013.01 - EP US); **F16C 29/06** (2013.01 - KR); **F16C 29/0635** (2013.01 - EP US); **F16C 33/667** (2013.01 - EP US); **F16C 41/00** (2013.01 - KR); **F16H 25/24** (2013.01 - EP US); **F16H 57/01** (2013.01 - EP US); **G01M 13/04** (2013.01 - KR); **G01M 13/045** (2013.01 - EP US); **F16C 2233/00** (2013.01 - EP US)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1598569 A1 20051123; **EP 1598569 A4 20100811**; **EP 1598569 B1 20110831**; AT E522734 T1 20110915; CN 100458394 C 20090204; CN 1756910 A 20060405; JP 2004263775 A 20040924; JP 4430316 B2 20100310; KR 100993048 B1 20101108; KR 20050107461 A 20051111; TW 200427975 A 20041216; TW I329735 B 20100901; US 2006213272 A1 20060928; US 7555953 B2 20090707; WO 2004076874 A1 20040910

DOCDB simple family (application)

EP 04715466 A 20040227; AT 04715466 T 20040227; CN 200480005548 A 20040227; JP 2003054293 A 20030228; JP 2004002398 W 20040227; KR 20057015893 A 20040227; TW 93104897 A 20040226; US 54735606 A 20060525